

*for*

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/712,123	HORLIN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Ricardo Pizarro	2661	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment received on 7/5/05.
2. ☒ The allowed claim(s) is/are 2-12 and 14-26, 8. They have been renumbered 2,5,1,3,7, 9-14 and 15-25, 6 and 8 respectively.
3. ☒ The drawings filed on 11/15/00 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                     | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|  | 9. <input type="checkbox"/> Other _____  |

### **Examiner's Amendment**

1. An Examiner's amendment for the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. Authorization for this examiner's amendment was given in a telephone interview with Mr. Warren Burnam on 7/27/05

### **CLAIMS HAVE BEEN AMENDED AS FOLLOW:**

#### **Claim 6**

"wherein the high priority signaling element is also active when the high priority cell is in the buffer memory for the corresponding crosspoint,"  
has been added after line 9.

#### **Claim 27**

It has been cancelled

### **Examiner's statement of reasons for Allowance**

2. The following is an examiner's statement of reasons for allowance: Regarding claims 4,5 and 6, no prior art of record was found for a semiconductor switch core comprising a buffer matrix having one memory per crosspoint, a high priority signaling element associated with a corresponding crosspoint and wherein said semiconductor switch has a plurality of ports , and wherein low priority cell read out from the buffer

memory for the corresponding crosspoint when the high priority element is active is applied to a port of the switch for transmission out of the switch.

Regarding claim 7 no prior art of record was found fro a switching node comprising a switching core comprising a buffer matrix, plural switch core ports, a high priority element associated with a corresponding crosspoint, where plural switch port devices connected to corresponding one of plural switch core ports, an appropriate one of the switches port devices comprising a queue for low priority cells awaiting writing to the corresponding crosspoint and a queue for high priority cells awaiting writing to the corresponding crosspoint.

Regarding claims 14, 15 , 18 and 23, no prior art of record was found for a method of operating a semiconductor switch core comprising a buffer matrix having one memory per crosspoint, the method comprising writing a low priority cells for the corresponding crosspoint , activating the high priority signaling element when a high priority cells is in a queue awaiting writing to the buffer memory for the corresponding crosspoint and reading out the low priority cell from the buffer memory for the corresponding crosspoint when the high priority element is active.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the

Art Unit: 2661


examiner should be directed to **Ricardo Pizarro** whose telephone number is (7571) 272-3077. The examiner can normally be reached on Monday-Friday from 9:00 AM to 5:00 PM. The fax number for this Group is (571) 273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Hassan Kizou** can be reached on (571) 272-3088.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

July 27, 2005

**Ricardo Pizarro**



**HASSAN KIZOU**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600